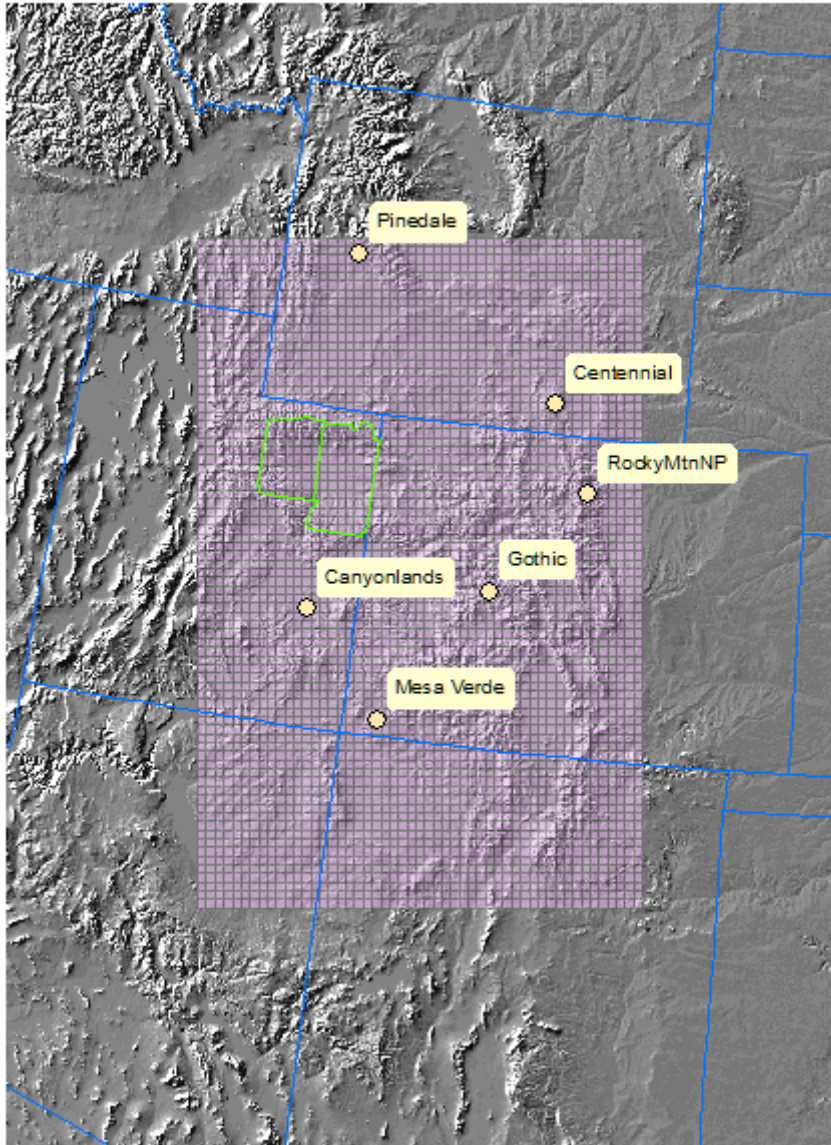


## Model sub-domain and Castnet ozone monitors



The modeling sub-domain was chosen to try and capture the predominant oil and gas producing areas in the region. These include the Jonah field and Powder River basin in Wyoming, areas in eastern Utah and western Colorado, and the Four Corners region. Each individual grid cell in the model is 12 kilometers on a side. The subdomain contains 3,927 grid cells with 51 cells in the east/west direction and 77 cells north to south. This is extracted from the much larger WRAP modeling domain of 38,500 cells.

This sub-domain has seven ozone monitoring sites located within it. One site, Petrified Forest in Arizona, does not have ozone data for the summer of 2002. These monitors are operated by the EPA and National Park Service and are part of the Clean Air Status and Trends Network (CASTNET).